

## PENDING CLAIMS AS AMENDED

Please amend the claims as follows:

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1. (Currently Amended) In a cellular wireless communication system supporting a broadcast service, a method comprising:
- transmitting a broadcast session on a broadcast transmission channel; and
  - transmitting broadcast overhead information corresponding to the broadcast session on an overhead transmission channel, wherein the broadcast overhead information includes a broadcast service protocol option.
2. (Original) The method as in claim 1, wherein:
- the broadcast service is transmitted by a content server;
  - the broadcast service has a corresponding protocol stack having an application layer and a transport layer; and
  - the content server independently controls the application layer and the transport layer protocols.
3. (Original) The method as in claim 1, wherein the broadcast service is transmitted as Internet Protocol data packets.
4. (Original) The method <sup>c</sup>as in claim 1, further comprising:
- during a broadcast transmission updating a portion of the broadcast overhead information; and
  - transmitting the broadcast overhead information with the updated portion.
5. (Original) The method as in claim 1, wherein the system further comprises a packetized data service network, the method further comprising:
- the packetized data service network updating header compression information; and

the packetized data service network transmitting the updated header compression information on an overhead transmission channel.

6. (Currently Amended) In a cellular wireless communication system supporting a broadcast service, a method comprising:

receiving broadcast overhead information corresponding to the broadcast session on an overhead transmission channel, wherein the broadcast overhead information includes a broadcast service protocol option;

accessing the broadcast session on a broadcast transmission channel; and

using the broadcast overhead information to process broadcast content of the broadcast session.

7. (Original) The method as in claim 6, wherein:

the broadcast service is transmitted by a content server;

the broadcast service has a corresponding protocol stack having an application layer and a transport layer; and

the content server independently controls the application layer and the transport layer protocols.

8. (Original) The method as in claim 6, wherein the broadcast service is transmitted as Internet Protocol data packets.

9. (Original) The method as in claim 6, further comprising:

during a broadcast transmission receiving updated broadcast overhead information on an overhead transmission channel; and

processing broadcast content received on the broadcast transmission channel using the updated broadcast overhead information.

10. (Original) The method as in claim 6, wherein the system further comprises a packetized data service network, the method further comprising:

receiving updated header compression information from the packetized data service network on an overhead transmission channel; and  
 using the updated header compression information to receive the broadcast content.

11. (Currently Amended) A wireless apparatus for usage in a cellular wireless communication system, comprising:

means for receiving broadcast overhead information corresponding to the broadcast session on an overhead transmission channel of the cellular wireless communication system, wherein the broadcast overhead information includes a broadcast service protocol option;

means for accessing the broadcast session on a broadcast transmission channel of the cellular wireless communication system; and

means for using the broadcast overhead information to process broadcast content of the broadcast session.

12. (Original) The apparatus as in claim 11, wherein:

the broadcast service is transmitted by a content server;

the broadcast service has a corresponding protocol stack having an application layer and a transport layer; and

the content server independently controls the application layer and the transport layer protocols.

13. (Original) The apparatus as in claim 11, wherein the broadcast service is transmitted as Internet Protocol data packets.

14. (Original) The apparatus as in claim 11, wherein the system further comprises a packetized data service network, the method further comprising:

means for receiving updated header compression information from the packetized data service network on an overhead transmission channel; and

means for using the updated header compression information to receive the broadcast content.

15. (Currently Ammended) In a wireless communication system supporting a broadcast service, the wireless communication system having a plurality of cells, each cell having a base station for communication with multiple mobile stations, a packetized data service network being coupled to at least one of the base stations, the method comprising:

transmitting a broadcast session on a broadcast transmission channel from the at least one of the base stations to the mobile stations;

transmitting broadcast overhead information corresponding to the broadcast session on an overhead transmission channel from the at least one of the base stations to the mobile stations, wherein the broadcast overhead information includes a broadcast service protocol option;

the packetized data service network updating header compression information; and

the packetized data service network transmitting the updated header compression information on the overhead transmission channel.

16. (New) In a cellular wireless communication system supporting a broadcast service, a method comprising:

requesting broadcast overhead information corresponding to the broadcast session, wherein the broadcast overhead information includes a broadcast service protocol option;

receiving the broadcast overhead information on an overhead transmission channel;

accessing the broadcast session on a broadcast transmission channel; and

using the broadcast overhead information to process broadcast content of the broadcast session.

17. (New) A wireless communications apparatus comprising:

a memory storage device adapted for storing computer-readable instructions; and

a processor adapted for processing the computer-readable instructions to:

request broadcast overhead information corresponding to the broadcast session, wherein the broadcast overhead information includes a broadcast service protocol

option;

receive the broadcast overhead information on an overhead transmission channel;

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access the broadcast session on a broadcast transmission channel; and  
use the broadcast overhead information to process broadcast content of the

broadcast session.

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